

Gigabit PoE Extender Series

P/N: A625010001G

Quick Installation Guide

Model	Description	Model	Description
E59-101	Indoor 1 PoE IN to 1 PoE OUT	E69-101	Outdoor 1 PoE IN to 1 PoE OUT
E59-102	Indoor 1 PoE IN to 2 PoE OUT	E69-102	Outdoor 1 PoE IN to 2 PoE OUT
E59-602	Indoor Voltage Booster 1 PoE IN to 2 PoE OUT	E69-602	Outdoor Voltage Booster 1 PoE IN to 2 PoE OUT

PACKAGE CONTENTS

1x PoE Extender	1x Quick Installation Guide	
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⚠ IMPORTANT:

- 1. Install the device in a ventilated and dry place, that is free of electromagnetic source, vibration, moisture, and dust.
- 2. Make sure the ventilation openings on the extender are not blocked.
- 3. Use CAT.5e or 6 UTP/STP cables. Avoid using low-quality cables, which will seriously limit the cabling distance.

CONNECTION

Following are the conditions for making the cabling:

- 1. Use $18\sim19\Omega$, 24AWG CAT.5e cables.
- 2. Typical cameras stream size feature = 1080p@30fps 6Mbps; 720p@30fps 3Mbps.

 Make sure the combined bandwidth consumption does not exceed the uplink bandwidth from the PoE switch.

 NOTE: There are power losses due to cable resistance.

INSTALLATION 56VDC ON OFF Ground screw Ground screw PoE OFF/ON Switch PoE On/Off Switch * Make sure the E59-102 E59-101 * Make sure the grouning resistance grouning resistance is lower than 0.5Ω. lower than 0.5Ω Port 1 : 56VDC PoE Input 56VDC PoE Input PoE Input PoE Output 56VDC PoE Output Connect to PoE Switch Port 2 PoE Output PoE Switch PoE Switch Port 2 24VDC or 56VDC 56VDC PoE Output PoE Output 56VDC ON ON 24VDC OFF Port: 2 2 1 POE On/Off Switch E69-101 E69-102 E69-602 PoE OFF/ON Switch PoF OFF/ON Switch Port 1 Port 1: PoE Input PoE Input PoE Input 56\/DC Connect to Connect to Connect to PoE Output PoE Output PoE Switch PoE Switch PoE Switch Port 2: 56VDC Ground screv Ground screv Ground screw 24VDC or 56VDC PoE Output 56VDC ⊥ * Make sure the * Make sure the * Make sure the PoE Output PoE Output grouning resistance grouning resistance grouning resistance is lower than 0.5Ω . is lower than 0.5Ω. is lower than 0.5Ω.

LED DEFINITIONS

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PWR	Green ON	PoE IN port is connected to PSE.
	OFF	No PoE IN connection.
PoE	Green or Amber ON	Power over ethernet cable status
	OFF	Ethernet cable no Power
LAN	Green ON	Data link is detected.
	Green Flashing	Data is being transmitted or received.
	OFF	Link is not detected.

PoE DIP SWITCH DEFINITIONS

E59-101 / E59-102 / E69-101 / E69-102

Pin 1	ON	Port 1 Turn on PoE output
	OFF	Port 1 Turn off PoE output
Pin 2	ON	Port 2 Turn on PoE output
(E59-102 / E69-102 only)	OFF	Port 2 Turn off PoE output

E59-602 / E69-602

Pin 1	ON	Port 1 Turn on PoE output
	OFF	Port 1 Turn off PoE output
Pin 2	ON	Port 2 Turn on PoE output
	OFF	Port 2 Turn off PoE output
Pin 3	ON	Port 2 56VDC PoE output
	OFF	Port 2 24VDC PoE output

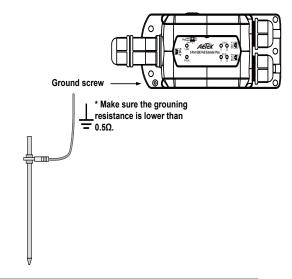
^{**}If the device that is going to be connected to this extender is not PoE PD, please turn off the PoE output function.**

E69-101 / E69-102 / E69-602 :

IMPORTANT:

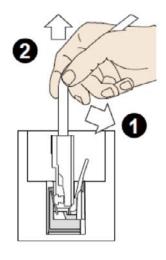
NOTE:

The Outdoor PoE Extender must be grounded using a ground wire between the ground screw and earth ground.



PoE Output Port

To disconnect a LAN cable, loosen the cable gland and pull the cable against the socket wall towards the side of the locking tab.

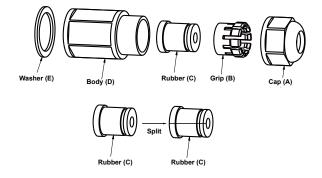


PoE Input Port Connector Assembly

IMPORTANT -

please follow the procedures below carefully to ensure the best seal:

- 1. Fit a RJ45 plug to the Cat5e/6 cable
- 2. Thread the Cat5e/6 cable through the cap(A) & grip(B)
- 3. Split rubber(C), rubber have two sizes for meet 4.5~6.5mm Cat5e/6 cable.
- 4. Fit the split rubber(C) over the Cat5e/6 cable
- 5. Thread the Cat5e/6 cable through the body(D)
- 6. Fit the washer(E) to the Outdoor PoE Extender connector
- Plug the RJ45 connector on the Cat5e/6 cable into the Outdoor PoE Extender
- 8. Hold Outdoor PoE Extender and then screw the body(D) onto the Outdoor PoE Extender connector tighten firmly
- Push rubber(C) in the grip(B) and screw the cap tighten firmly. The Cat5e/6 cable is sealed when the rubber(C) & grip(B) bulges to the edge of the cap(A).



Application

